



SPYWOLF

Security Audit Report



Completed on
March 18, 2023

@SPYWOLFNETWORK



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OVERVIEW

This audit has been prepared for **DOGE GROW** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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DOGE GROW



PROJECT DESCRIPTION

According to their whitepaper:

DogeGrow is a groundbreaking support project built on Binance Smart Chain. DogeGrow is growing in the potential meme market, sharing profits and finding interesting stories in the world of cryptocurrencies. Not just a simple meme coin, DogeGrow also brings an economic system to the community of meme lovers. Doge now is no longer a baby but an adult, a successful person, and a leader of the meme community.

Release Date: Presale starts in March, 2023

Category: Meme token



CONTRACT INFO

Token Name
DogeGrow

Symbol
DGR

Contract Address

0x68dE53b47BE0Dc566BF4673c748d58Bbbad3deB1

Network

Binance Smart Chain

Language

Solidity

Deployment Date

March 16, 2023

Verified?

Yes

Total Supply

100,000,000

Status

Not launched

TAXES

Buy Tax
21%

Sell Tax
21%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	100000000 DGR
Median Transfer Amount	100000000 DGR
Average Transfer Amount	100000000 DGR
First transfer date	2023-03-16
Last transfer date	2023-03-16
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2023-03-16 13:07:45 UTC
Created	2023-03-16 13:07:45 UTC
Create TX	0xc8fa8be689a4fbb2dc1ed758a1c61a6fa4a97c44dc7f848ac9729b3fa89b5bbb
Creator	0xdf14cfc5d74432043cee04976dade3f36bacbbff



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can set autoswap threshold amount.
If contract have 0 (zero) or very low amount (fractions) of tokens and swapTokensAtAmount variable is set to 0 or very low number, the contract will halt and selling will fail.

```
function setSwapTokensAtAmount(uint256 amount) external onlyOwner {  
    swapTokensAtAmount = amount;  
}
```

- Recommendation:
 - Ensure that swapTokensAtAmount variable is always above 1 token (consider decimals).



FOUND THREATS

⚠ Medium Risk

Owner can set buy/sell fees up to 25%.

Combined buy+sell=50%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make. Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function setFee(uint256 rewardsFee_, uint256 buyFee_, uint256 sellFee_) external onlyOwner {
    require(buyFee_ <= 25 && sellFee_ <= 25, "over tax");
    require(buyFee_ >= rewardsFee_ && sellFee_ >= rewardsFee_, "reward too big");
    rewardsFee = rewardsFee_;
    buyFee = buyFee_;
    sellFee = sellFee_;
}

function _transfer(
    address from,
    address to,
    uint256 amount
) internal override {
    .....
    if (takeFee) {
        uint256 fee = to == uniswapV2Pair ? sellFee:buyFee;
        uint256 feeAmount = amount.mul(fee).div(100);
        uint256 reward = amount.mul(rewardsFee).div(100);
        amount = amount.sub(feeAmount);
        super._transfer(from, address(this), feeAmount);
        rewardAmount = rewardAmount.add(reward);
    }
    super._transfer(from, to, amount);
    .....
}
```

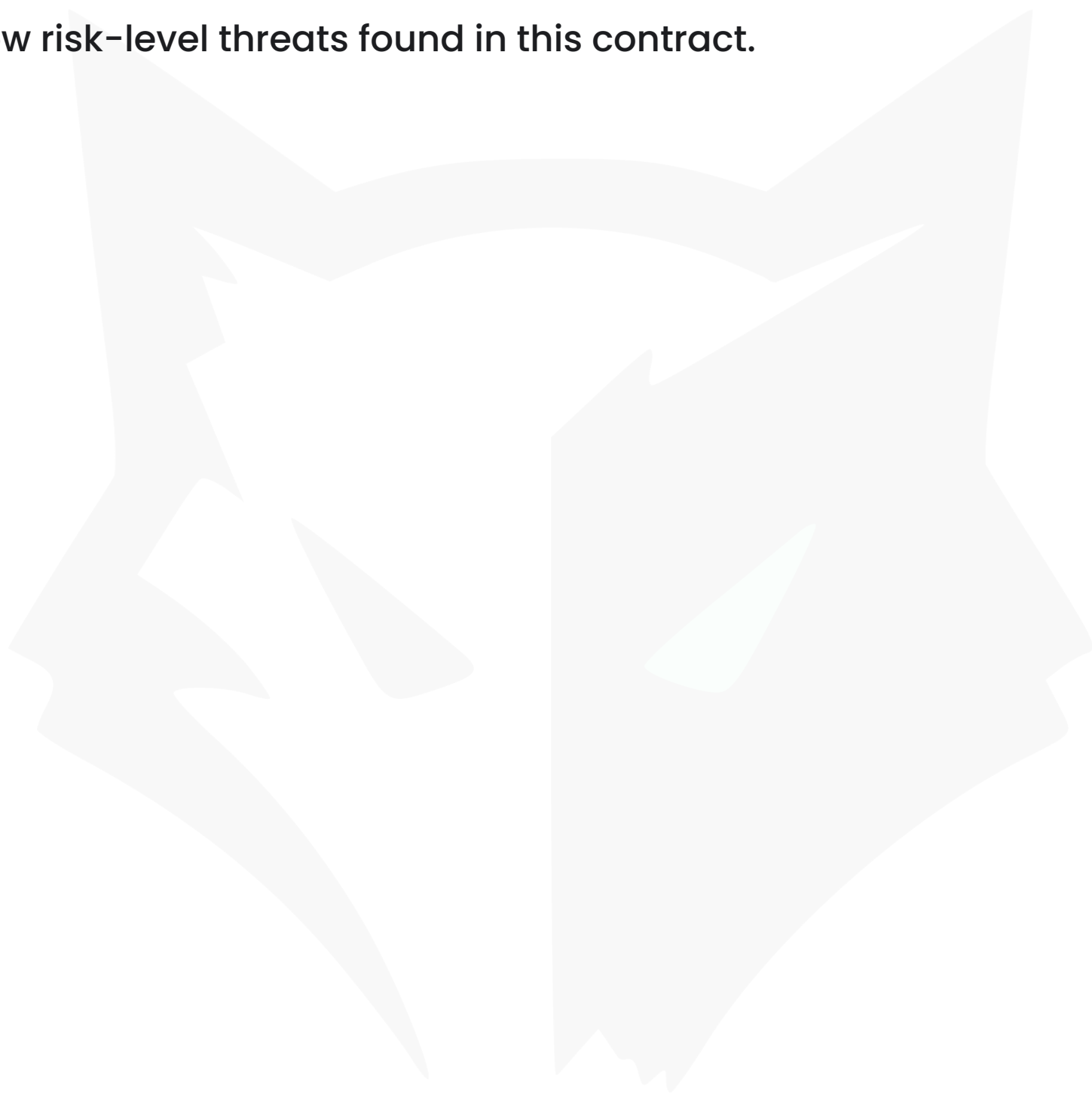
- Recommendation:
 - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.



FOUND THREATS

Low Risk

No low risk-level threats found in this contract.





Informational

Owner can exclude address from dividends.

Addresses excluded from dividends wont receive dividend rewards.

```
function excludeFromDividends(address account) external onlyOwner {
    dividendTracker.excludeFromDividends(account);
}

function excludeFromDividends(address account) external onlyOwner {
    require(!excludedFromDividends[account]);
    excludedFromDividends[account] = true;

    _setBalance(account, 0);
    tokenHoldersMap.remove(account);

    emit ExcludeFromDividends(account);
}
```

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFees(address account, bool excluded) public onlyOwner {
    require(
        _isExcludedFromFees[account] != excluded,
        "Account is already the value of 'excluded'"
    );
    _isExcludedFromFees[account] = excluded;

    emit ExcludeFromFees(account, excluded);
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

DOGE GROW

GOOD PRACTICES FOUND

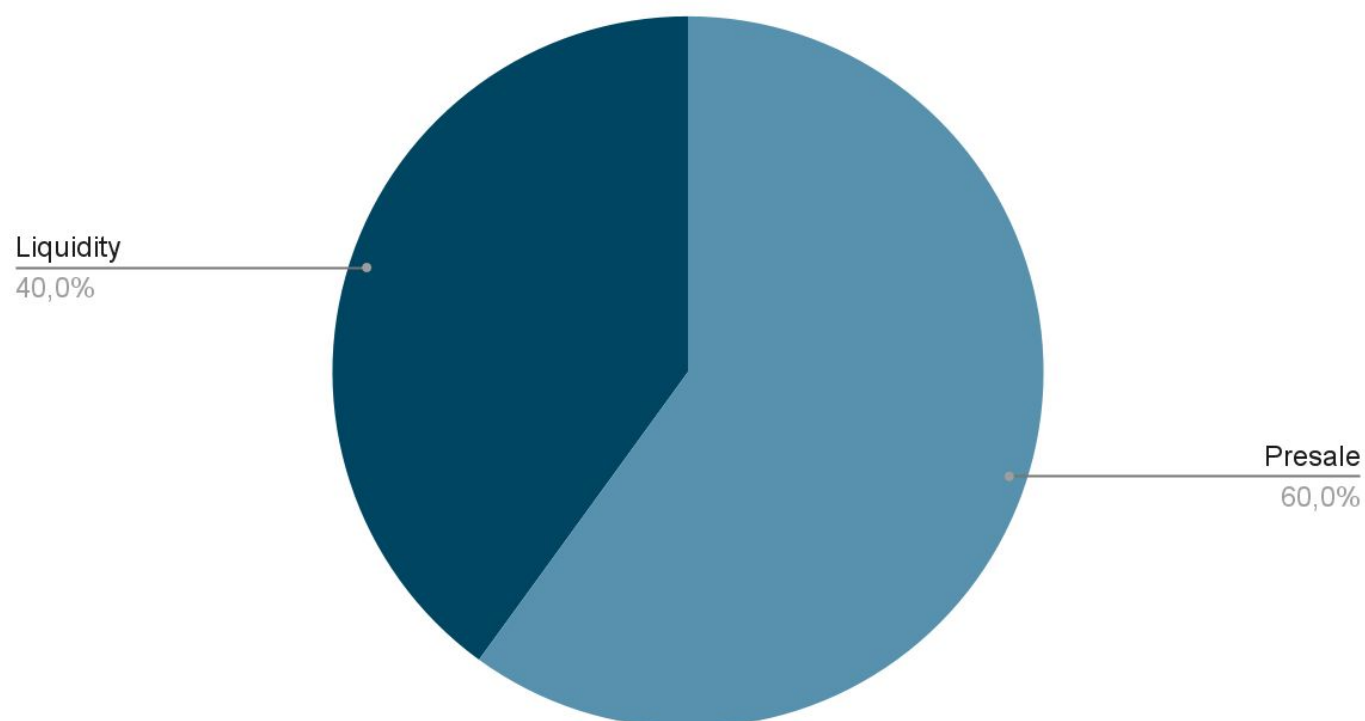
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner can set a transaction limit, but cannot lower it than 1% of total supply
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



The following tokenomics are based on the project's whitepaper and/or website:

- 60% - Presale
- 40% - Liquidity

Tokens distribution



TOKENOMICS



THE TEAM

! The team is anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://www.dogegrow.finance/>

Domain Registry

<https://www.namecheap.com/>

Domain Expiration

Expires on 2024-03-15

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page design,
appropriate color scheme
and graphics.

Content

The information helps new
investors understand what
the product does right away.
No grammar mistakes
found.

Whitepaper

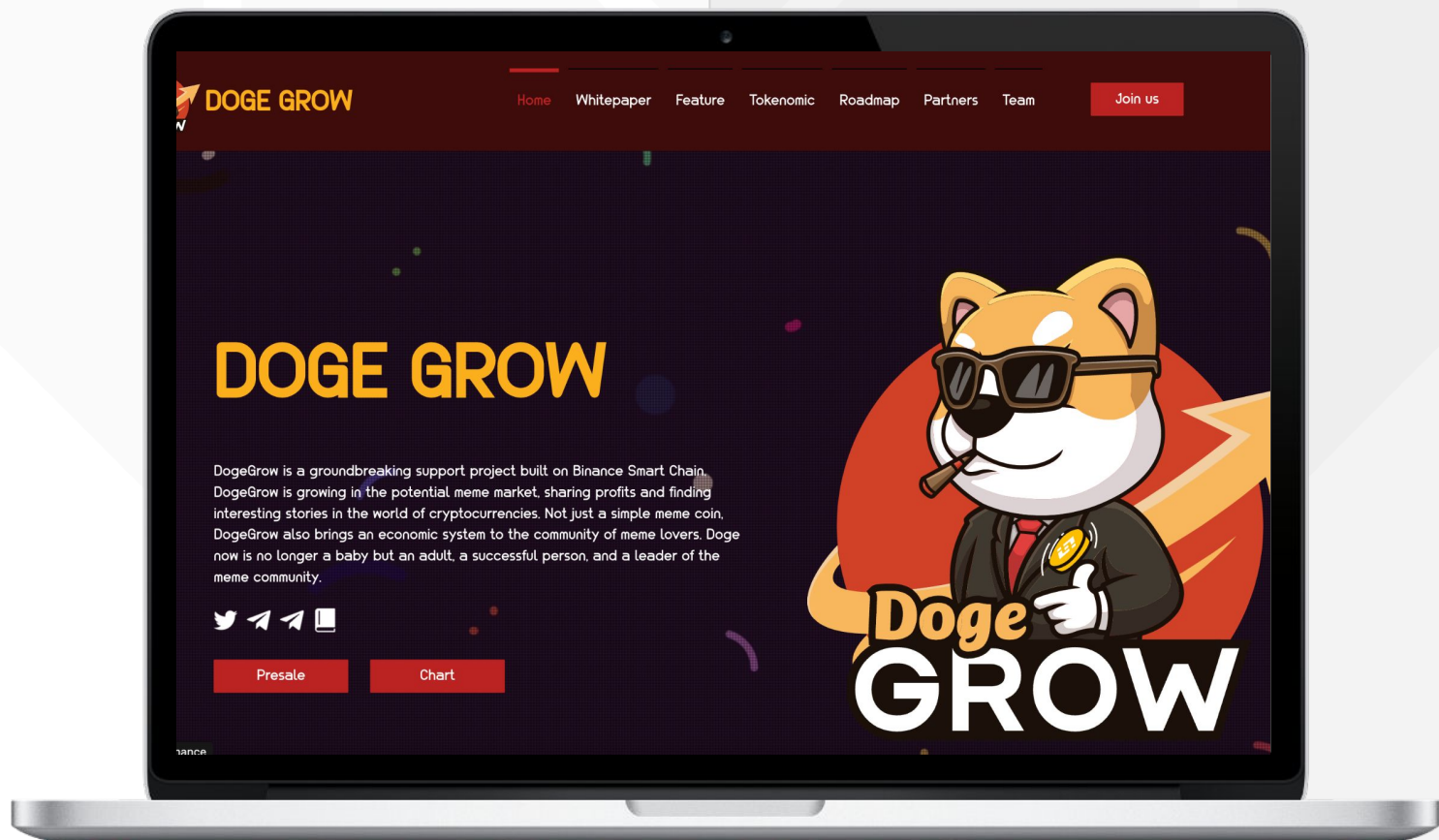
Well written but a bit short

Roadmap

Yes, goals set without time
frames.

Mobile-friendly?

Yes



dogegrow.finance

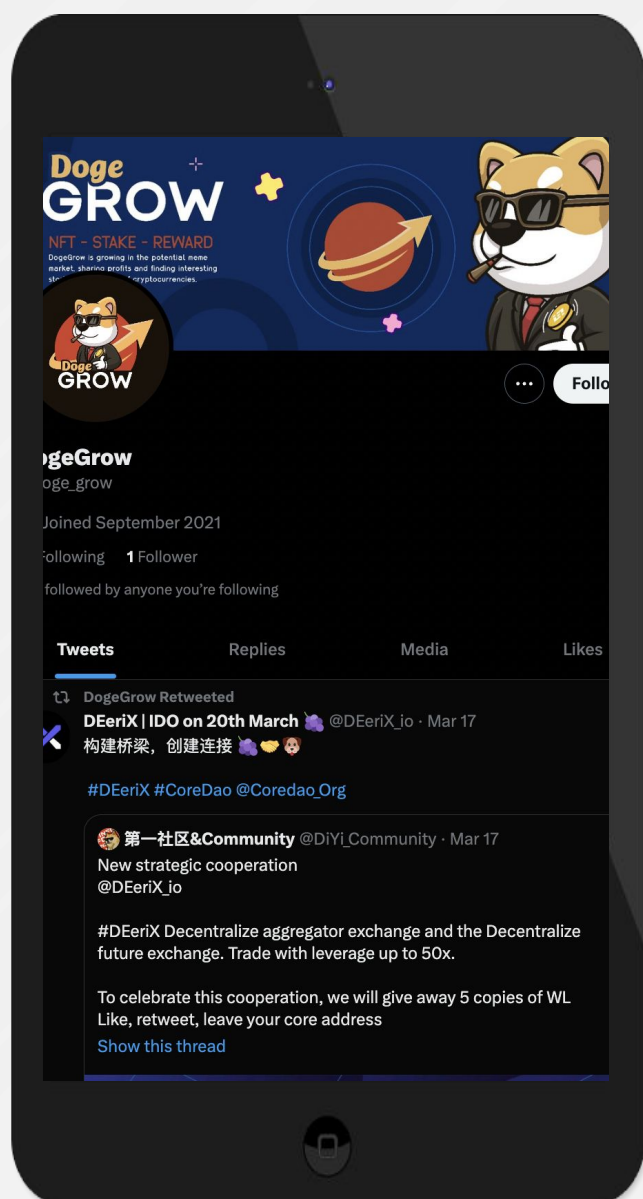


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media pages are not very active.



Twitter

@doge_grow

- 1 follower
- Total 3 posts



Discord

- Not available



Telegram

@DogeGrow_Official

- 3 839 members
- Few active members
- Active mods



Medium

- Not available



SPYWOLF

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ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.